

ATTY. DKT. NO. 5659-02300/TH

SERIAL NO. 09/841,444

APPLICANT: Wellington, et al.

GROUP: 1764

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FILING DATE: April 24, 2001

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
09	C1	1,269,747	6/1918	Rogers			
	C2	1,457,479	6/1923	Wolcott			
	C3	1,634,236	6/1927	Ranney			
	C4	2,630,307	3/1953	Martin			
	C5	2,685,930	8/1954	Albaugh			
	C6	2,703,621	3/1955	Ford			
	C7	2,771,954	11/1956	Jenks et al.			
	C8	2,793,696	5/1957	Morse			
	C9	2,890,754	6/1959	Hoffstrom et al.			
	C10	2,890,755	6/1959	Eurenus et al.			
	C11	2,906,340	9/1959	Herzog			
	C12	2,932,352	4/1960	Stegemeier			
	C13	2,958,519	11/1960	Hurley			
	C14	3,010,513	11/1961	Gerner			
	C15	3,010,516	11/1961	Schleicher			
	C16	3,036,632	5/1962	Koch et al.			
	C17	3,044,545	7/1962	Tooke			
	C18	3,061,009	10/1962	Shirley			
	C19	3,062,282	11/1962	Schleicher			
	C20	3,084,919	4/1963	Slater			
	C21	3,113,619	12/1963	Reichle			
	C22	3,116,792	1/1964	Purre			
	C23	3,120,264	2/1964	Barron			
	C24	3,127,935	4/1964	Poettmann et al			
	C25	3,127,936	4/1964	Eurenus			
	C26	3,132,692	5/1964	Marx et al.			
	C27	3,205,944	9/1965	Walton			
	C28	3,233,668	2/1966	Hamilton et al.			
	C29	3,273,640	9/1966	Huntington			
09	C30	3,275,076	9/1966	Sharp			

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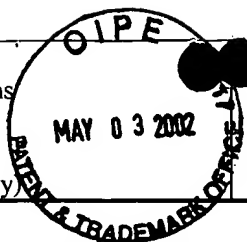
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G9	C31	3,294,167	12/1966	Vogel			
	C32	3,352,355	11/1967	Putman			
	C33	3,379,248	4/1968	Strange			
	C34	3,605,890	9/1971	Holm			
	C35	3,617,471	11/1971	Schlinger et al.			
	C36	3,661,423	5/1972	Garrett			
	C37	3,770,398	11/1973	Abraham et al.			
	C38	3,882,941	5/1975	Pelofsky			
	C39	3,948,319	4/1976	Pritchett			
	C40	3,954,140	5/1976	Hendrick			
	C41	3,986,349	10/1976	Egan			
	C42	3,999,607	12/1976	Pennington et al.			
	C43	4,008,762	2/1977	Fisher et al.			
	C44	4,019,575	4/1977	Pisio et al.			
	C45	4,026,357	5/1977	Redford			
	C46	4,049,053	9/1977	Fisher et al.			
	C47	4,057,293	11/1977	Garrett			
	C48	4,067,390	1/1978	Camacho et al.			
	C49	4,069,868	1/1978	Terry			
	C50	4,084,637	4/1978	Todd			
	C51	4,114,688	9/1978	Terry			
	C52	4,144,935	3/1979	Bridges et al.			
	C53	4,183,405	1/1980	Magnie			
	C54	4,228,854	10/1980	Sacuta			
	C55	4,243,101	1/1981	Gruppung			
	C56	4,277,416	7/1981	Grant			
	C57	4,306,621	12/1981	Boyd et al.			
	C58	4,324,292	4/1982	Jacobs et al.			
G9	C59	4,344,483	8/1982	Fisher et al.			

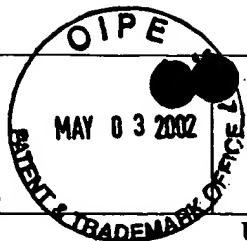
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ATTY. DKT. NO. 5659-02300/T

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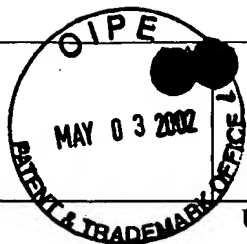
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69	C60	4,353,418	10/1982	Hoekstra et al.			
	C61	4,384,613	5/1983	Owen et al.			
	C62	4,396,062	8/1983	Iskander			
	C63	4,397,732	8/1983	Hoover et al.			
	C64	4,444,255	4/1984	Geoffrey et al.			
	C65	4,448,251	5/1984	Stine			
	C66	4,448,252	5/1984	Stoddard et al.			
	C67	4,457,365	7/1984	Kasevich et al.			
	C68	4,476,927	10/1984	Riggs			
	C69	4,485,869	12/1984	Sresty et al.			
	C70	4,524,826	6/1985	Savage			
	C71	4,549,396	10/1985	Garwood et al.			
	C72	4,573,530	3/1986	Audeh et al.			
	C73	4,576,231	3/1986	Dowling et al.			
	C74	4,592,423	6/1986	Savage et al.			
	C75	4,608,818	9/1986	Goebel et al.			
	C76	4,637,464	1/1987	Forgac et al.			
	C77	4,651,825	3/1987	Wilson			
	C78	4,662,438	5/1987	Taflove et al.			
	C79	4,662,439	5/1987	Puri			
	C80	4,662,443	5/1987	Puri et al.			
	C81	4,691,771	9/1987	Ware et al.			
	C82	4,704,514	11/1987	Van Edmond et al.			
	C83	4,772,634	9/1988	Farooque			
	C84	4,787,452	11/1988	Jennings, Jr.			
	C85	4,817,711	4/1989	Jeambey			
	C86	4,818,370	4/1989	Gregoli et al.			
	C87	4,928,765	5/1990	Nielson			
	C88	5,064,006	11/1991	Waters et al.			
69	C89	5,082,054	1/1992	Kiamanesh			

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EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
G9	C90	5,082,055	1/1992	Hemsath			
	C91	5,217,076	6/1993	Masek			
	C92	5,261,490	11/1993	Ebinuma			
	C93	5,285,846	2/1994	Mohn			
	C94	5,289,882	3/1994	Moore			
	C95	5,411,104	5/1995	Stanley			
	C96	5,632,336	5/1997	Notz et al.			
	C97	5,713,415	2/1998	Bridges			
	C98	6,328,104	12/2001	Graue			
	D1	3,149,670	9/1964	Grant			
	D2	3,380,913	4/1968	Henderson			
	D3	3,794,116	2/1974	Higgins			
	D4	4,197,911	4/1980	Anada			
	D5	4,412,124	10/1983	Kobayashi			
G9	D8	3,316,962	5/1967	Lange			

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FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
G9	C99	2,015,460	10/1991	CA			
	C100	940558 A1	9/1999	EP			
	C101	01/81723 A1	11/2001	WO			
	C102	01/81505 A1	11/2001	WO			
	D6	1,165,361	4/1984	CA			
G9	D7	1,168,283	5/1994	CA			

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

G9	C103	Appalachian Coals: Potential Reservoirs for Sequestering Carbon Dioxide Emissions from Power Plants While Enhancing CBM Production; C.W. Byer, et al., Proceedings of the International Coalbed Methane Symposium.
G9	C104	The Pros and Cons of Carbon Dioxide Dumping Global Warming Concerns Have Stimulated a Search for Carbon Sequestration Technologies; C. Hanisch, Environmental Science and Technology, American Chemical Society, Easton, PA.
G9	C105	Pilot Test Demonstrates How Carbon Dioxide Enhances Coal Bed Methane Recovery, Lanny Schoeling and Michael McGovern, Petroleum Technology Digest, September 2000, p. 14-15.

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Form PTO-1449 (modified)
List of Patents and Publications
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ATTY. DKT. NO. 5659-02300/TH 48

SERIAL NO. 09/841,444

APPLICANT: Wellington, et al.

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FILING DATE: April 24, 2001

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OTHER REF. (Including Author, Title, Date, Pertinent Pages, Etc.)

G9	C106	In Situ Measurement of Some Thermoporoelectric Parameters of a Granite, Berchenko et al., Poromechanics, A Tribute to Maurice Biot, 1998, p. 545-550.
G9	C107	Conversion characteristics of selected Canadian coals based on hydrogenation and pyrolysis experiments, W. Kalkreuth, C. Roy, and M. Steller. Geological Survey of Canada, Paper 89-8, 1989, pages 108-114, XP001014535
	D9	Passey et al., US Patent Application Publication 2001/0049342 A1, December 6, 2001.
G9	D10	Tar and Pitch, G. Collin and H. Hoeke. Ullmann's Encyclopedia of Industrial Chemistry, Vol. A 26, 1995, p. 91-127.

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ATTY. DKT. NO. 5659-02300/111948

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GROUP: 1764

FILING DATE: April 24, 2001

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
GS	H1	4,093,025	June 78	Terry			
	H3	4,895,206	Jan-90	Price			
	J1	326,439	Sep-1885	McEachen			
	J2	1,681,523	Feb-1928	Downey et. al.			
	J3	2,244,256	Jun-1941	Looman			
	J4	2,714,930	Aug-1955	Carpenter			
	J5	3,547,193	Dec-1970	Gill			
	J6	3,562,401	Feb-1971	Long			
	J7	4,089,374	May-1978	Terry			
	J8	4,423,311	Dec-1983	Varney, Sr.			
	J9	4,489,782	Dec-1984	Perkins			
	J10	4,626,665	Dec-1986	Fort, III			
	J11	4,694,907	Sep-1987	Stahl et. al.			
	J12	5,182,792	Jan-1993	Goncalves			
	J13	5,402,847	Apr-1995	Wilson et. al.			
	J14	5,491,969	Feb-1996	Cohn et. al.			
	J15	5,621,844	Apr-1997	Bridges			
	J16	6,244,338	Jun-2001	Mones			
	J17	6,389,814	May-2002	Viteri et al.			
	J18	6,412,559	Jul-2002	Gunter et al.			
	J20	3,680,633	Aug-1972	Bennett			
GS	J21	4,508,170	Apr-1985	Littman			

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GROUP 3600

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
GS	J19	97/01017	Jan-1997	WO			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

GS	H2	Hobson, G.D., Modern Petroleum Technology, Halsted Press, Applied Science Publishers LTD. 1973, pp. 786, 787					
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Form PTO-1449 (modified)
List of Patents and Publications
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ATTY. DKT. NO. 5659-02300/TH1948

SERIAL NO. 09/841,444

APPLICANT: Wellington et al.

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FILING DATE: April 24, 2001

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
GS	F1	4,252,191	Feb-1981	Pusch et al.			
GS	F2	3,310,109	Mar-1967	J. W. Marx et al.			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

GS	F3	Thermal, Mechanical, and Physical Properties of Selected Bituminous Coals and Cokes, J. M. Singer and R. P. Tye, US Department of Interior, Bureau of Mines (1979) Government Report No. 8364.					
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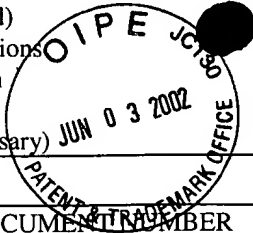
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Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5659-02300/TH-1788 APPLICANT: Wellington, et al. FILING DATE: April 24, 2001	SERIAL NO. 09/841,444 GROUP: 1764 3652
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U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
GS	E1	3,181,613	May-1965	Krueger			
	E2	3,922,148	Nov-1975	Child			
	E3	3,924,680	Dec-1975	Terry			
	E4	5,020,596	Jun-1991	Hemsath			
	E5	5,229,102	Jul-1993	Minet et al.			
	E6	5,316,664	May-1994	Gregoli et al.			
	E7	5,366,012	Nov-1994	Lohbeck			
	E8	5,541,517	Jul-1996	Hartmann et al.			
	E9	5,861,137	Jan-1999	Edlund			
	E10	6,354,373	Mar-2001	Vercaemer et al.			
GS	E15	4,463,807	Aug-1984	Stoddard et al.			

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

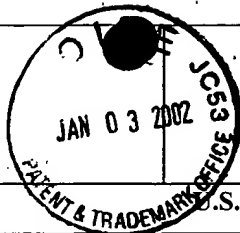
GS	E11	Coal, Encyclopedia of Chemical Technology, Kirk, R.E., Kroschwitz, J.I., Othmer, D.F., Wiley, New York, 4th edition, 1991, Vol. 6, pp. 423-488.					
GS	E12	Cortez et al., UK Patent Application GB 2,068,014 A, Date of Publication: August 5, 1981.					
GS	E13	Wellington et al., US Patent Application 60/273,354, Filed March 5, 2001.					
GS	E14	The VertiTrak System Brochure, Baker Hughes, INT-01-1307A4, 2001 8 pages.					

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EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
GS	A1	760,304	05/1904	Butler			
	A2	1,342,741	06/1920	Day			
	A3	1,510,655	10/1924	Clark			
	A4	1,666,488	02/1927 411928	Crawshaw			
	A5	1,913,395	11/1929 611933	Karrick			
	A6	2,423,674	07/1947	Agren			
	A7	2,444,755	07/1948	Steffen			
	A8	2,466,945	02/1946 411949	Greene			
	A9	2,472,445	06/1949	Sprong			
	A10	2,484,063	10/1949	Ackley			
	A11	2,497,868	02/1950	Dalin			
	A12	2,548,360	04/1951	Germain			
	A13	2,593,477	04/1952	Newman et al.			
	A14	2,595,979	05/1952	Pevere et al.			
	A15	2,630,306	01/1952 311953	Evans			
	A16	2,634,961	04/1953	Ljungstrom			
	A17	2,642,943	06/1953	Smith et al.			
	A18	2,670,802	03/1954	Ackley			
	A19	2,695,163	11/1954	Pearce et al.			
	A20	2,732,195	01-24-56	Ljungstrom			
	A21	2,734,579	02-14-56	Elkins			
	A22	2,780,449	02-05-57	Fisher et al.			
	A23	2,777,679	01/1957	Ljungstrom			
	A24	2,780,450	02/1957	Ljungstrom			
	A25	2,786,660	03/1957	Alleman			
	A26	2,789,805	04/1957	Ljungstrom			
	A27	2,804,149	08/1957	Kile			
	A28	2,841,375	07/1958	Salomonsson			
	A29	2,902,270	09/1959	Salomonsson et al.			
	A30	2,906,337	09/1959	Henning			

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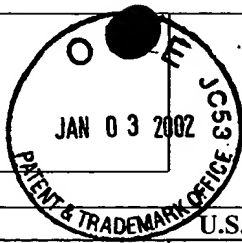
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GG	A31	2,914,309	11/1959	Salomonsson			
	A32	2,923,535	02/1960	Ljungstrom			
	A33	2,939,689	06/1960	Ljungstrom			
	A34	2,954,826	10/1960	Sievers			
	A35	2,974,937	03/1961	Kiel			
	A36	2,994,376	08/1961	Crawford et al.			
	A37	2,998,457	08/1961	Paulsen			
	A38	3,004,603	10/1961	Rogers et al.			
	A39	3,007,521	11/1961	Trantham et al.			
	A40	3,095,031	06/1963	Eurenius et al.			
	A41	3,105,545	10/1963	Prats et al.			
	A42	3,106,244	10/1963	Parker			
	A43	3,110,345	11/1963	Reed et al.			
	A44	3,113,623	12/1963	Krueger			
	A45	3,114,417	12/1963	McCarthy			
	A46	3,131,763	05/1964	Kunetka et al.			
	A47	3,139,928	07/1964	Broussard			
	A48	3,142,336	07/1964	Doscher			
	A49	3,149,672	9 10/1964	Orkiszewski et al.			
	A50	3,163,745	12/1964	Boston			
	A51	3,164,207	01/1965	Thessen et al.			
	A52	3,182,721	05/1965	Hardy			
	A53	3,183,675	05/1965	Schroeder			
	A54	3,191,679	06/1965	Miller			
	A55	3,205,946	9 10/1965	Prats et al.			
	A56	3,207,220	9 10/1965	Williams			
	A57	3,208,531	9 10/1965	Tamplen			
GG	A58	3,209,825	10/1965	Alexander et al.			

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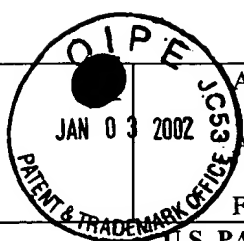
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69	A59	3,237,689	03/1966	Justheim			04 2002
	A60	3,241,611	03/1966	Dougan			TC 1700
	A61	3,250,327	05/1966	Crider			
	A62	3,267,680	08/1966	Schlumberger			
	A63	3,284,281	11/1966	Thomas			
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ATTY. DKT. NO. 5659-02300/TH 8

SERIAL NO. 09/841,444

APPLICANT: Wellington, et al.

GROUP: 1764

FILING DATE: April 24, 2001

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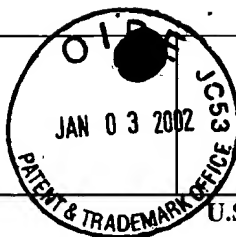
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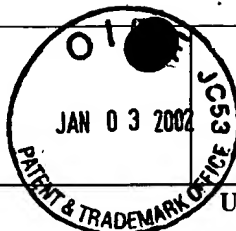
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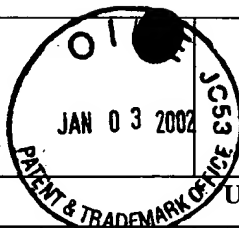
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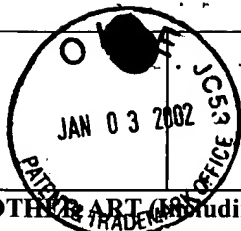
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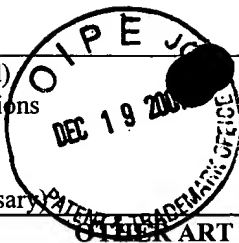
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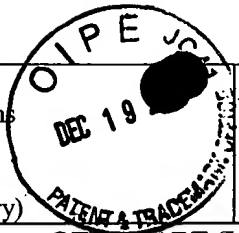
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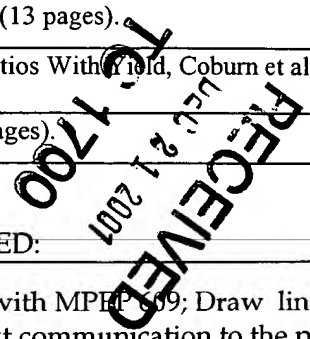
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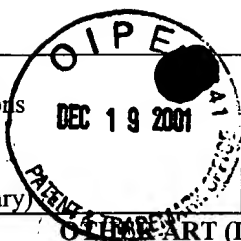
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ATTY. DKT. NO. 5659-02300/48

SERIAL NO. 09/841,444

APPLICANT: Wellington, et al.

GROUP: 1764

FILING DATE: April 24, 2001

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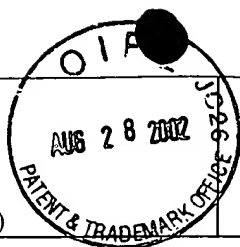
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SERIAL NO. 09/841,444

APPLICANT: Wellington et al.

GROUP: 1764

FILING DATE: April 24, 2001

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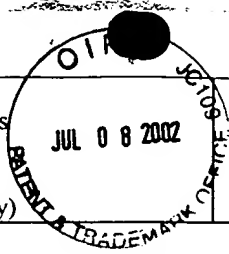
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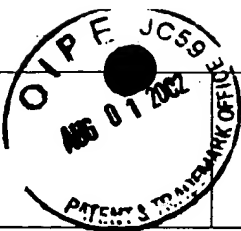
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